

Abstract

CLOSED LOOP AMPLIFICATION WITH HIGH THROUGHPUT PERFORMANCE

Using an operational amplifier with a low gain in a closed loop amplifier circuit, and
5 correcting for errors (i.e., deviation from the output of an ideal closed loop amplifier using
an operational amplifier with infinite gain) that would result from the use of the operational
amplifier with low gain. In an embodiment implemented in relation to an analog to digital
converter (ADC), a mathematical operation is performed on the digital code(s) generated by
the ADC to generate a corrected code corresponding to an analog sample.